

PERMIT APPLICATION NUMBER: NRS#03.174

APPLICANT: Keyquest, LLC
852 Old Douglas Dam Road
Sevierville, Tennessee 37876
(865) 453-1106

LOCATION: The proposed project is located near Sevierville on the west side of Winfield Dunn Drive Parkway (State Highway 66) between U.S. 411 and I-40, along an unnamed tributary of Little Pigeon River, Sevier County, Tennessee.

WATERSHED DESCRIPTION: Little Pigeon River is located within the Lower French Broad River watershed. The immediate area of the project is predominately urban. The existing trapezoidal channel appears to have been constructed when State Highway 66 was widened and is very uniform. The top width averages 12 feet, the bottom width averages 7 feet, and the depth is an average of 2 feet. The channel was turned to parallel the highway and then was constructed straight with no meandering. The channel was terminated in a 48-inch culvert immediately off-site that leads directly into Little Pigeon River. The existing channel is roughly 900 feet long. The channel bottom is generally sediment with vegetation and side slopes appear to be vegetated with a wild pasture mix.

DESCRIPTION: The project will consist of the relocation of approximately 770 feet of stream channel. The relocated channel will mimic the natural, undisturbed cross-section of the stream at a nearby upstream or downstream location. The applicant will use rock clusters (large native rock) located intermittently in the channel. The applicant shall reestablish/improve a riparian zone with a mixture of native plant species chosen from the USDA/NRCS Riparian Forest Buffer guidelines. The trees shall be planted on both sides of the stream with 25' centers. Trees shall be root balled and have a trunk diameter of 1 to 2 inches. The trees shall be maintained to ensure a survival rate of 80% for a five-year period following the planting. Trees shall be replanted as necessary to maintain this survival rate.

PERMIT COORDINATOR: Dorsey Horne, STATE OF TENNESSEE, Department of Environment and Conservation, Division of Water Pollution Control, 7th Floor, L & C Annex, 401 Church Street, Nashville, Tennessee 37243-1534

USGS QUAD: DOUGLAS DAM, TENNESSEE 156-NE

